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CLAIMS

1. (previously presented) A method of producing a foundation for a scale on a gyro ring in a gyro suspension of an arm in a parallel-kinematic machine, wherein the gyro ring is provided with bearing pins which are worked in a securely fixed state, characterized in that the scale-carrying foundation is worked in one and the same fixed state without changing the fixed state between working of the bearing pins and working of the foundation carrying the scale
2. (previously presented) A method according to claim 1, characterized by working the foundation and the bearing pins in the form of a lathe-turning operation and/or a grinding operation.
3. (previously presented) A method according to claim 1, characterized in that work on the foundation and work on the bearing pins is effected simultaneously.
4. (currently amended) A method according to claim 1, characterized in that the scale markings for the scale are provided in the foundation in one and the same fixed state without changing said state.
5. (currently amended) A scale arrangement produced by a method according to claim 1, wherein the arrangement includes scale markings which form the a scale on the a gyro ring for gyro suspension of the an arm in the a parallel-kinematic machine, said gyro ring being provided with the cylindrical-bearing pins, said bearing pins being cylindrical, characterized in that the a foundation for said scale markings is formed in the gyro ring either as a cylinder-sector surface or as a planar circle - sector surface on which the scale markings are disposed.
6. (currently amended) An arrangement according to claim 5, characterized in that the scale formed by the scale markings on the foundation is form either a cylinder-sector shaped scale or a circle-sector shaped scale, said scale being placed concentrically with the bearing pins.
7. (currently amended) An arrangement according to claim 6, characterized in that the scale formed by the scale markings on the foundation is disposed externally on the cylinder surface.

8. (previously presented) An arrangement according to claim 6, characterized in that the scale is disposed on the planar circle-sector surface.
9. (currently amended) An arrangement according to ~~10~~ claim 5 characterized in that the foundation is comprised of part of the gyro ring.
10. (previously presented) An arrangement according to claim 5, characterized by a reader which is mounted to define a gap with the scale such that the reader will register the angular position of the gyro ring in relation to a reference surface.
11. (currently amended) An arrangement according to claim 10, further comprising a second, outer gyro ring, characterized in that the reference surface is located in the a-foundation and/or on the outer-gyro ring.